TABLE 1

Contaminant	Violation Yes / No	Date of Sample	Level Detected: Avg / Max (Range) (1)	Unit Measurement	MCLG or MRDLG	Regulatory Limit (TT, MCL, or MRDL)	Likely Source of Contamination
Microbiological Contaminant							
Total Coliform Bacteria	No	10/24/2017	1 positive sample	n/a	0	TT - 2 or more positive samples	Naturally present in the environment
Inorganic Contaminants							
Barium	No	3/7/2017	0.013 (0.0021 - 0.013)	mg/L	2	MCL - 2	Discharge of drilling wastes; Erosion of natural deposits
Calcium	No	12/12/2017	16.1 (4.1 - 16.1)	mg/L	n/a	n/a	Naturally occurring
Chloride	No	3/7/2017	52 (6.1 - 52)	mg/L	n/a	MCL - 250	Naturally occurring or indicative of road salt contamination
Iron	No	3/7/2017	25 (ND - 25)	ug/L	n/a	MCL - 300	Naturally occurring
Magnesium	No	3/2/2017	6.5 (2.1 - 6.5)	mg/L	n/a	n/a	Naturally occurring
Nickel	No	3/2/2017	0.0034 (0.00086 - 0.0034)	ug/L	n/a	n/a	Naturally occurring
Nitrogen, Ammonia	No	3/2/2017	0.96 (ND - 0.96)	mg/L	n/a	n/a	Naturally occurring
Sodium	No	6/6/2017	29.1 (5.8 - 29.1)	mg/L	n/a	20 / 270 (2)	Naturally occurring
Sulfate	No	3/7/2017	23.2 (ND - 23.2)	mg/L	n/a	MCL - 250	Naturally occurring
Zinc	No	3/2/2017	0.022 (ND - 0.022)	mg/L	n/a	MCL - 5	Naturally occurring
Inorganic Contaminants - Nitrates							
Nitrate	No	3/7/2017	8.3 (2.8 - 8.3)	mg/L	10	MCL - 10	Runoff from fertilizer use; Leaching from septic tanks and sewage; Erosion of natural deposits
Nitrate-Nitrite (as N)	No	3/7/2017	8.3 (2.8 - 8.3)	mg/L	10	MCL - 10	Runoff from fertilizer use; Leaching from septic tanks and sewage; Erosion of natural deposits
Physical Characteristics							
Calcium Hardness	No	3/2/2017	39.1 (10.8 - 39.1)	mg/L	n/a	n/a	Naturally occurring
Color	No	3/7/2017	5 (5 - 5)	units	n/a	MCL - 5	Large quantities of organic chemicals; presence of metals such as copper, iron, and manganese
Corrosivity	No	3/7/2017	-0.81 [-4.16 - (-0.81)]	units	n/a	n/a	Naturally occuring
pH	No	12/21/2017	8 (5 - 8)	units	n/a	n/a	Naturally occurring
Specific Conductance	No	12/12/2017	381 (135 - 381)	umhos/cm	n/a	n/a	Naturally occurring
Total Alkalinity	No	12/19/2017	135 (7.3 - 135)	mg/L	n/a	n/a	Naturally occurring
Total Dissolved Solids	No	3/7/2017	212 (57 - 212)	mg/L	n/a	n/a	Naturally occurring
Total Hardness	No	3/2/2017	66 (19.5 - 66)	mg/L	n/a	n/a	Naturally occurring
Disinfectant							
Chlorine Residual	No	12/5/2017	0.4 (0.1 - 0.9)	mg/L	n/a	MRDL - 4 (3)	Water additive used to control microbes
Additional Contaminant							
Perchlorate	No	1/10/2017	2.4 (ND - 2.4)	ug/L	n/a	18 (4)	Oxygen additive in solid fuel propellant for rockets, missiles, and fireworks
Volatile Organic Contaminant							
1,1 - Dichloroethene	No	11/14/2017	0.3 (ND - 0.59)	ug/L	n/a	MCL - 5	Discharge from industrial chemical factories
Other Principal Organic Contaminant							
1,1 - Dichloroethane	No	3/2/2017	0.47 (ND - 0.72)	ug/L	n/a	MCL - 5	Chemical intermediate solvent; used in vinyl chloride manufacturing; degreasing agent
Unregulated Contaminant Monitoring Rule 3 Contaminants (5)							
Chromium Hexavalent	No	2/8/2017	1.3 (0.28 - 1.3)	ug/L	100	MCL - 100	Naturally occurring; Industrial discharge from plating industry
1,4 - Dioxane	No	2/8/2017	3.6 (ND - 3.6)	ug/L	n/a	MCL - 50	Released into the environment through its use as a solvent and in textile processing, printing processes, and detergent preparations
1,1 - Dichloroethane	No	2/8/2017	0.71 (ND - 0.71)	ug/L	n/a	MCL - 5	Released into the environment as fugitive emissions and in wastewater during production and use as a chemical intermediate solvent
Chlorodifluoromethane	No	2/8/2017	2.5 (ND - 2.5)	ug/L	n/a	MCL - 5	Used as a refrigerant
Radioactive Contaminants							
Gross Alpha Activity	No	8/15/2017	2.87 (0.91 - 2.87) (6)	pCi/L	0	MCL - 15	Erosion of natural deposits
Gross Beta Activity	No	8/15/2017	3.16 (1.36 - 3.16) (6)	pCi/L	0	50 (7)	Decay of natural deposits and man-made emissions
Combined Radium 226/228	No	8/15/2017	1.88 (0.491 - 1.88) (6)	pCi/L	0	MCL - 5	Erosion of natural deposits

Contaminant	Violation Yes / No	Date of Sample	Highest LRAA Detected and Range (8)	Unit Measurement	MCLG	Regulatory Limit (MCL)	Likely Source of Contamination
Disinfection By-Products, Stage II							
Total Haloacetic Acids	No	7/5/2016	< 2.0	ug/L	n/a	MCL - 60	By-product of drinking water disinfection needed to kill harmful organisms
Total Trihalomethanes	No	7/5/2016	< 2.0	ug/L	n/a	MCL - 80	By-product of drinking water chlorination needed to kill harmful organisms

Contaminant	Violation Yes / No	Date of Sample	90th Percentile and Range	Unit Measurement	MCLG	Regulatory Limit (AL)	Likely Source of Contamination
Lead and Copper Contaminants							
Copper	No	9/28/2016	0.15 (ND - 0.2) (9)	mg/L	1.3	AL - 1.3	Corrosion of household plumbing systems; Erosion of natural deposits; Leaching from wood preservatives
Lead	No	9/29/2016	6.4 (ND - 19) (10)	ug/L	0	AL - 15	Corrosion of household plumbing systems; Erosion of natural deposits

Notes:

(1) When compliance with the MCL is determined more frequently than annually, the data reported is the highest average or maximum of any of the sampling points used to determine compliance and the range of detected values.

(2) Water containing more than 20 mg/L of sodium should not be used for drinking by people on severely-restricted sodium diets. Water containing more than 270 mg/L of sodium should not be used for drinking by people on moderately-restricted sodium diets.

(3) The value presented represents the Maximum Residual Disinfectant Level (MRDL). MRDLs are not currently regulated, but in the future they will be enforceable in the same manner as MCLs.

(4) An MCL has not been established for this contaminant. The value presented represents a State Guidance level.

(5) The Unregulated Contaminant Monitoring Rule 3 (UCMR3) is a US EPA water quality sampling program which monitors unregulated but emerging contaminants in drinking water. The results of the sampling will determine if such contaminants will need to be regulated in the future.

(6) The contaminant levels represent the highest value and the range of values in raw water samples taken from multiple wells.

(7) The State considers 50 pCi/L to be the level of concern for beta particles.

(8) There were no detections for Disinfection By-Products, Stage II sampling.

(9) The levels represent the 90th percentile and the range of values of the 30 sites tested. A percentile is a value on a scale of 100 that indicates the percent of a distribution that is equal to or below it. The 90th percentile is equal to or greater than 90% of the copper values detected at your water system. In this case, thirty samples were collected at your water system and the 90th percentile value was the twenty-seventh highest value (0.15 mg/L). The action level for copper was not exceeded at any of the sites tested.

(10) The levels represent the 90th percentile and the range of values of the 30 sites tested. The action level for lead was not exceeded at any of the sites tested.

Definitions:

MCL: Maximum Contaminant Level, the highest level of a contaminant that is allowed in drinking water; MCLs are set as close to the MCLGs as feasible.

MCLG: Maximum Contaminant Level Goal, the level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.

MRDL: Maximum Residual Disinfectant Level, the highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.

MRDLG: Maximum Residual Disinfectant Level Goal, The level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contamination.

ND: Non-Detects, laboratory analysis indicates that the constituent is not present.

AL: Action Level, the concentration of a contaminant that, if exceeded, triggers treatment or other requirements which a water system must follow.

mg/L: Milligrams per Liter; Corresponds to one part of liquid in one million parts of liquid (parts per million - ppm).

ug/L: Micrograms per Liter; Corresponds to one part of liquid in one billion parts of liquid (parts per billion - ppb).

pCi/L: Picocuries Per Liter; A measure of the radioactivity in water.

n/a: not applicable; i.e., no value is assigned by regulatory authorities.